Abstract of the Disclosure

The present invention provides a catalyst for oxidizing reformed gas, which catalyst can selectively oxidize carbon monoxide——which is contained in the reformed gas used as a fuel of a solid polymer fuel cell and which acts as a catalyst poison of the fuel cell——into carbon dioxide with high performance. The reformed gas is oxidized by use of the catalyst of the present invention, which catalyst is characterized in that M-type mordenite, among different types of zeolite, is used as a carrier and a bimetallic alloy metal system containing platinum and an alloy-forming metal other than platinum is supported by the carrier, wherein the amount of the alloy-forming metal in the alloy is 20-50 at.%.